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|----------|-----------|---|---|------------------|
| L Number | Hits | | DB | Time stamp |
| 1 | 1 | 5,179,419.pn. | USPAT | 2004/01/12 11:38 |
| 2 | 0 | 5,179,419.pn. and (inside with outside) | USPAT | 2004/01/12 11:38 |
| 3 | 1 | 5,179,419.pn. and (inside and outside) | USPAT | 2004/01/12 11:45 |
| 4 | 41 515 | 5179419.URPN. | USPAT USPAT; | 2004/01/12 11:39 |
| 5 | 515 | ((inside with outside) with circle) and imag\$3 | US-PGPUB; | 2004/01/12 11:56 |
| | | | EPO; JPO; DERWENT; IBM_TDB | |
| 6 | 14 | <pre>(object with((inside with outside) with circle)) and imag\$3</pre> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TOP | 2004/01/12 11:46 |
| 7 | 11 | ((median or mean or average) with(inside | IBM_TDB USPAT; | 2004/01/12 11:57 |
| , | 11 | with outside) with circle) and imag\$3 | US-PGPUB; EPO; JPO; DERWENT; | 2004/01/12 11:57 |
| 8 | 8 | smd with circle | IBM_TDB USPAT; | 2004/01/12 11:59 |
| | | | US-PGPUB; EPO; JPO; DERWENT; | |
| 9 | 16 | smd same circle | IBM_TDB USPAT; | 2004/01/12 12:01 |
| | | | US-PGPUB; EPO; JPO; DERWENT; | |
| 10 | 1155 | ((inspect\$3 or scan\$5) with circle) and | IBM_TDB USPAT; | 2004/01/12 12:02 |
| | 1100 | pixel | US-PGPUB; EPO; JPO; DERWENT; | 2004/01/12 12:02 |
| 11 | 178 | (((inspect\$3 or scan\$5) with (detect\$3 or find\$3)) with circle) and pixel | IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2004/01/12 12:03 |
| 12 | 44 | | DERWENT; IBM_TDB USPAT; | 2004/01/12 12:08 |
| | | find\$3)) with circle with center) and pixel | US-PGPUB; EPO; JPO; DERWENT; IBM TDB | |
| 13 | 4 | (((inspect\$3 or scan\$5) with (detect\$3 or find\$3)) with circle with center) and pixel and vision | USPAT; US-PGPUB; EPO; JPO; | 2004/01/12 12:06 |
| | | | DERWENT; IBM TDB | |
| 14 | 23 | (((inspect\$3 or scan\$5) with (detect\$3 or find\$3)) with circle with center) and pixel and (average or median or mean) | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2004/01/12 12:09 |
| 15 | 102 | (circle with noise) and pixel | IBM_TDB USPAT; US-PGPUB; | 2004/01/12 12:09 |
| 16 | 7 | ((circle with noise) with (mean or median or average)) and pixel | EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; | 2004/01/12 12:12 |
| 17 | 11762 | ((inner or inside) with (outer or | EPO; JPO; DERWENT; IBM_TDB USPAT; | 2004/01/12 12:13 |
| | | outside)) with circle | US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | |

| 18 1863 ((inter or inside) with (outer or outside)) with circle with center USPAT: USUPAT: USPAT: USUPAT: USPAT: USPAT: USPAT: USPAT: USPAT: U | |
|--|---------|
| 19 290 ((inner or inside) with (outer or outside)) with circle with center with edg EPO; JPO; DERMENT; IBM TOB 20 290 ((inner or inside) with (outer or outside)) with circle with center with edg33 USPRT; 2004/01/1 22 2 2 ((inner or inside) with (outer or outside)) with circle with center with edg33 USPRT; 2004/01/1 22 2 ((inner or inside) with (outer or outside)) with circle with center with edg33 USPRT; 2004/01/1 24 79 ((inner or inside) with (outer or outside)) with circle with center with edg33 with axis USPRT; 2004/01/1 25 0 ((inner or inside) with (outer or outside)) with circle with center with edg33 with axis with pixel USPRT; 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with edg33 with axis and pixel USPRT; 2004/01/1 27 27 27 ((inner or inside) with (outer or outside)) with circle with center with edg33 with axis and pixel USPRT; 2004/01/1 28 0 ((inner or inside) with (outer or outside)) with circle with center with pixel USPRT; 2004/01/1 29 387 ((inward) with (outward)) with circle with Center with pixel USPRT; 2004/01/1 29 387 ((inward) with (outward)) with circle with Circle with is PFR; 2004/01/1 USPRT; 2004/01/1 30 1 ((inward) with (outward)) with circle with is PFR; 200 | 2 12:13 |
| 19290((inner or inside) with (outer or outside)) with circle with center with edgeDERMENT; law TDB2004/01/120290((inner or inside) with (outer or outside)) with circle with center with edg33DERMENT; law TDB2004/01/12222((inner or inside) with center with edg33 with scan55DERMENT; law TDB2004/01/12479((inner or inside) with (outer or outside)) with circle with center with edg33 with scan55DERMENT; law TDB2004/01/12479((inner or inside) with (outer or outside)) with circle with center with edg33 with axisDERMENT; law TDB2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg33 with axisDERMENT; law TDB2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg33 with axis and pixelDERMENT; law TDB2004/01/1272727((inner or inside) with (outer or outside)) with circle with center with edg33 with axis and pixelDERMENT; law TDB2004/01/1280((inner or inside) with (outer or outside)) with circle with center with pixelDERMENT; law TDB2004/01/1280((inward) with (outward)) with circle with center with pixelDERMENT; law TDB2004/01/129387((inward) with (outward)) with circle with center with pixelDERMENT; law TDB2004/01/1301((inward) with (outward)) with circle with center with pixelDERMENT; law TDB2004/01/13135748300.URPN.USPAT2004/01/1USPAT <td< td=""><td></td></td<> | |
| 19290((inner or inside) with (outer or outside)) with circle with center with edgeIBM TDB USPAT: USPAT: USPAT: 2004/01/12004/01/1 USPAT: 2004/01/120290((inner or inside) with (outer or outside)) with circle with center with edg33USPAT: USPAT: USPAT: 2004/01/12004/01/1 USPAT: 2004/01/1222((inner or inside) with (outer or outside)) with circle with center with edg33 with scan55USPAT: USPAT: EPO; JPO; DERMENT; IBM TDB EPO; JPO; DERMENT; EPO; JPO; DERMENT;< | |
| 20200200(inner or inside) with (outer or outside)) with circle with center with get \$32004/01/121290((inner or inside) with (outer or outside)) with circle with center with get \$32004/01/1222((inner or inside) with (outer or outside)) with circle with center with get \$3 with scan\$52004/01/12479((inner or inside) with (outer or outside)) with circle with center with get \$3 with axis2004/01/12479((inner or inside) with (outer or outside)) with circle with center with get \$5 with axis2004/01/1250((inner or inside) with (outer or outside)) with circle with center with get \$7 yr0; proprint \$2004/01/12004/01/1260((inner or inside) with (outer or outside)) with circle with center with get \$3 with axis with pixel2004/01/12727((inner or inside) with (outer or outside)) with circle with center with \$20, yr0; proprint \$2004/01/12004/01/12727((inner or inside) with (outer or outside)) with circle with center with \$20, yr0; proprint \$2004/01/12004/01/1280((inner or inside) with (outer or outside)) with circle with center with \$20, yr0; proprint | |
| 20290((inner or inside) with (outer or outside)) with circle with center with edg\$32004/01/1222((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$5USPAT; USPAT; USO4/01/1 | 2 12:13 |
| 20290((inner or inside) with (outer or outside)) with circle with center with edg\$3Def USPAT: USPAT: USPAT: 2004/01/1222((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$52004/01/12479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPAT: 2004/01/12479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPAT: 2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT: 2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT: 2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT: 2004/01/1272727((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT: 2004/01/1280((inward) with (outward)) with circle with user of u | |
| 20290((inner or inside) with (outer or outside)) with circle with center with edg\$3IMP TDB USPAT; USPAT; DERWENT; IBM TDB2004/01/1 USPAT; DERWENT; IBM TDB222((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$5USPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB2479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB272727((inward) with (outward)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB29387((inward) with (outward)) with circle with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB2004/01/1 USPAT; EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERWENT; IBM TDB | |
| 20 290 ((inner or inside) with (outer or outside)) with circle with center with eff. 20577; 2004/01/1 22 2 ((inner or inside) with (outer or outside)) with circle with center with eff. USFAT; 2004/01/1 22 2 ((inner or inside) with (outer or outside)) with circle with center with eff. USFAT; 2004/01/1 24 79 ((inner or inside) with (outer or outside)) with circle with center with eff. USFAT; 2004/01/1 24 79 ((inner or inside) with (outer or outside)) with circle with center with eff. USFAT; 2004/01/1 25 0 ((inner or inside) with (outer or outside)) with circle with center with eff. USFAT; 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with outs eff.; 2004/01/1 USFAT; 2004/01/1 27 27 ((inner or inside) with (outer or outside)) with circle with center with user eqg33 with axis and pixel USFAT; 2004/01/1 28 0 ((inner or inside) with (outer or outside)) with circle with center with USFAT; 2004/01/1 2004/01/1 29 387 ((inward) with (outward)) with circle with USFAT; 2004/01/1 2004/01/1 30 1 ((inward) with (outward)) with circle with USFAT; 1EM TDB EFO; JFO; DERWENT; 1EM | |
| 222((inner or inside) with (outer or outside)) with circle with center with edg3 with scan\$5USPAT; USPAT; EPO; JPO; DERMENT; IBM TDB USPAT; EPO; JPO; DERMENT; EPO; JPO; DERMENT; IBM TDB EPO; JPO; DERMENT; IBM TDB <br< td=""><td>2 12:16</td></br<> | 2 12:16 |
| 222((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$5DERWENT; IBM TOB USPAT; US-PGPUB; EDG; JPO; DERWENT; IBM TOB USPAT;2479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUS-PGPUB; EDG; JPO; DERWENT; IBM TOB USPAT;2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPAT; USPAT;2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAT;2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAT;2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; USPAT;2004/01/1280((inward) with (outward)) with circle with US-PGPUB; EPO; JPO; DERWENT; IBM TOBUSPAT;2004/01/129387((inward) with (outward)) with circle with US-PGPUB; EPO; JPO; DERWENT; IBM TOB2004/01/1USPAT;2004/01/129387((inward) with (outward)) with circle with US-PGPUB; EPO; JPO; DERWENT; IBM TOB2004/01/1USPAT;2004/01/1301((inward) with (outward)) with circle with USPAT; USPAT; 2004/01/12004/01/1USPAT; 2004/01/12004/01/13135748300.URPN.IBM TOBUSPAT; 2004/01/12004/01/1USPAT; 2004/01/13213("3988068" "4275964" "4317613" USPAT2004/01/1USPAT | |
| 222((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$5IBM TDB USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/12479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/129387((inward) with (outward)) with circle with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB2004/01/13135748300.URPN. USPATUSPAT 2004/01/1 USPAT2004/01/1 USPAT EPO; JO0/JO1/1 USPAT EPO; JO0/JO1/12004/01/1 USPAT EPO; JO0/JO1/13135748300.URPN.USPAT 2004/01/12004/01/1 USPAT EPO; JO0/JO1/1USPAT EPO; JO0/JO1/1 | |
| 22 2 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with scan\$5 USPĀT; USPĀUBUE; EPO; JPO; DERWENT; ISM TOB USPĀT; 2004/01/1 24 79 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis USPĀT; 2004/01/1 25 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixel USPĀT; 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixel USPĀT; 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixel USPĀT; 2004/01/1 27 27 ((inner or inside) with (outer or outside)) with circle with center with ePO; JPO; DERWENT; ISM TOB USPĀT; 2004/01/1 2004/01/1 28 0 ((inward) with (outward)) with circle with center with pixel USPĀT; 2004/01/1 29 387 ((inward) with (outward)) with circle with iPT; iPO; JPO; DERWENT; iPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J | |
| 24edg\$3 with scan\$5EPO; JPO; DERWENT; IBM TDB2479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisUSPĀT; USPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPĀT; USPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUSPĀT; USPĀT; USPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/129387((inward) with (outward)) with circle with pixelUSPĀT; USPĀT; USPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/129387((inward) with (outward)) with circle with pixelUSPĀT; USPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPĀT; EPO; JPO; DERWENT; IBM TDB2004/01/13135748300.URPN. ('3988068" "4275964" "4317613" USPĀT 2004/01/12004/01/1 | 2 12:14 |
| 2479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisDERWENT; IBM TDB USPAT; 2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; DERWENT; IBM TDB USPAT; 2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; DERWENT; IBM TDB USPAT; 2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; DERWENT; IBM TDB USPAT; 2004/01/12727((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; DERWENT; IBM TDB USPAT; 2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; DERWENT; IBM TDB2004/01/129387((inward) with (outward)) with circle with pixelUSPAT; USPAT; DO04/01/12004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; DO04/01/12004/01/13135748300.URPN. 32USPAT; 2004/01/12004/01/1 | |
| 2479((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axisIBM TDB USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; USPAT; 2004/01/12004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAT; USPAT; DERWENT; IBM TDB DERWENT; IBM TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; USPAT; USPAT; DERWENT; IBM TDB USPAT; 2004/01/12004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; USPAT; USPAT; 2004/01/12004/01/129387((inward) with (outward)) with circle with pixelUSPAT; USPAT; IBM TDB 2004/01/12004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; 2004/01/12004/01/13135748300.URPN. 321314275964" "4317613" USPAT 2004/01/1 | |
| 24 79 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis 2004/01/1 25 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixel 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixel 2004/01/1 26 0 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixel US-PGPUB; EP0; JP0; DERWENT; IBM TDB 27 27 ((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixel US-PGPUB; EP0; JP0; DERWENT; IBM TDB 28 0 ((inward) with (outward)) with circle with center with pixel US-PGPUB; EP0; JP0; DERWENT; IBM TDB 29 387 ((inward) with (outward)) with circle with US-PGPUB; EP0; JP0; DERWENT; IBM TDB 2004/01/1 30 1 ((inward) with (outward)) with circle with US-PGPUB; EP0; JP0; DERWENT; IBM TDB 2004/01/1 31 3 5748300.URPN. USPAT; 2004/01/1 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 25edg\$3 with axisEPO; JPO; DERWENT; IBM_TDB250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; 2004/01/12004/01/129387((inward) with (outward)) with circle with pixelUSPAT; USPAT; USPAT; USPAT; USPAT; 2004/01/12004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; USPAT; USPAT; 2004/01/12004/01/13135748300.URPN. 321335748300.URPN. 2004/01/1USPAT 2004/01/12004/01/1 | 2 12:16 |
| 250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelDERWENT; IBM_TDB USPAT;2004/01/1260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAT;2004/01/12727((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAT;2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; USPAT;2004/01/1280((inward) with (outward)) with circle with center with US-PCFUB; EPO; JPO; DERWENT; IBM_TDB USPAT;2004/01/1280((inward) with (outward)) with circle with US-PCFUB; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; 2004/01/1301((inward) with (outward)) with circle with US-PCFUB; EPO; JPO; DERWENT; IBM_TDB2004/01/13135748300.URPN.USPAT; 2004/01/1USPAT; 2004/01/13213("3988068" "4275964" "4317613" USPAT 2004/01/1USPAT 2004/01/1 | |
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| 250((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis with pixelUSPAT; USPAU; USPAU; USPAU; EPO; JPO; DERWENT; IBM TDB260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPAT; USPAU; | |
| 260((inner or inside) with (outer or outside)) with circle with center with outer or outside)) with circle with center with center with center with outer or outside) with (outward)) with circle with outer or outside) with (outward)) with circle with outer or outside) output center with outer or outside) with (outward)) with circle with output outp | 2 12:16 |
| 260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelDERWENT; IBM TDB USPAT;2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB USPAT;2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM TDB USPAT;2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; USPAT;2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/13135748300.URPN. 3213300.0000000000000000000000000000000000 | |
| 260((inner or inside) with (outer or outside)) with circle with center with edg3 with axis and pixelIBM_TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; USPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/13135748300.URPN. 32USPAT2004/01/13213("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 260((inner or inside) with (outer or outside)) with circle with center with edg\$3 with axis and pixelUSPĀT; EPO; JPO; DERWENT; IBM_TDB2004/01/12727((inner or inside) with (outer or outside)) with circle with center with pixelUSPĀT; USPĀT; EPO; JPO; DERWENT; IBM_TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUS-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPĀT; USPĀT; USPĀT; 2004/01/12004/01/1301((inward) with (outward)) with circle with pixelUS-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPĀT; USPĀT; 2004/01/12004/01/13135748300.URPN. 13USPĀT ("3988068" "4275964" "4317613" USPĀT 2004/01/1 | |
| 272727((inner or inside) with (outer or outside)) with circle with center with pixelEPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUS-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circle uspaceUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; USPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; EPO; JPO; DERWENT; IBM_TDB2004/01/13135748300.URPN. 3213("3988068" "4275964" "4317613" USPAT 2004/01/1 | 2 12:16 |
| 272727Control ((inner or inside) with (outer or outside)) with circle with center with pixelDERWENT; IBM TDB USPAT; USPOPUB; EPO; JPO; DERWENT; IBM TDB2004/01/1280((inward) with (outward)) with circle with USPAT; center with pixel2004/01/1USPAT; USPAT; USPAT; EPO; JPO; DERWENT; IBM TDB29387((inward) with (outward)) with circleUSPAT; USPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; EPO; JPO; DERWENT; IBM TDB2004/01/13135748300.URPN. I3USPAT ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 272727((inner or inside) with (outer or outside)) with circle with center with pixelIBM_TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUS-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT;2004/01/129387((inward) with (outward)) with circleUSPAT; US-PGPUB; EPO; JPO; DERWENT;2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; USPAT;2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; USPAT;2004/01/13135748300.URPN. 13USPAT2004/01/13135748300.URPN. 13USPAT 2004/01/12004/01/1 | |
| 2727((inner or inside) with (outer or outside)) with circle with center with pixelUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB2004/01/1280((inward) with (outward)) with circle with center with pixelUSPAT; USPAT; USPAT;2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; USPAT;2004/01/129387((inward) with (outward)) with circleUSPAT; USPAT; USPAT;2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; USPAT; USPAT;2004/01/13135748300.URPN. 13USPAT2004/01/1 USPAT2004/01/1 USPAT | |
| 280((inward) with (outward)) with circle with center with pixelEPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/129387((inward) with (outward)) with circleUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/1301((inward) with (outward)) with circle with pixelUSPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB2004/01/13135748300.URPN. 13USPAT ("3988068" "4275964" "4317613" USPAT (USPAT2004/01/1 | 2 12:25 |
| 280((inward) with (outward)) with circle with center with pixelDERWENT; IBM_TDB USPAT;2004/01/1 USPAT;29387((inward) with (outward)) with circleUSPAT; USPAT;2004/01/1 USPAT;29387((inward) with (outward)) with circleUSPAT; USPAT;2004/01/1 USPAT;301((inward) with (outward)) with circle with pixelUSPAT; USPAT;2004/01/1 USPAT;3135748300.URPN. 32IBM_TDB USPAT2004/01/1 USPAT | |
| 28 0 ((inward) with (outward)) with circle with center with pixel IBM_TDB 2004/01/1 29 387 ((inward) with (outward)) with circle USPAT; 2004/01/1 29 387 ((inward) with (outward)) with circle USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; 2004/01/1 31 3 5748300.URFN. USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 28 0 ((inward) with (outward)) with circle with USPAT; center with pixel 2004/01/1 29 387 ((inward) with (outward)) with circle USPAT; USPAT; 2004/01/1 29 387 ((inward) with (outward)) with circle USPAT; USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; USPAT; USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; USPAT; USPAT; 2004/01/1 31 3 5748300.URPN. USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 29 387 ((inward) with (outward)) with circle EPO; JPO; DERWENT; IBM_TDB 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 2004/01/1 31 3 5748300.URPN. 32 13 "4275964" "4317613" USPAT 2004/01/1 | 2 12:25 |
| 29 387 ((inward) with (outward)) with circle DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 2004/01/1 31 3 5748300.URPN. 13 "4275964" "4317613" USPAT 2004/01/1 | |
| 29 387 ((inward) with (outward)) with circle IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 2004/01/1 31 3 5748300.URPN. 13 "4275964" "4317613" USPAT 2004/01/1 | |
| 29 387 ((inward) with (outward)) with circle USPAT; 2004/01/1 30 1 ((inward) with (outward)) with circle with pixel US-PGPUB; EPO; JPO; 30 1 ((inward) with (outward)) with circle with pixel USPAT; 2004/01/1 31 3 5748300.URPN. USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 30 1 ((inward) with (outward)) with circle with pixel US-PGPUB; EPO; JPO; DERWENT; IBM TDB 31 3 5748300.URPN. USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | 2 12:25 |
| 30 1 ((inward) with (outward)) with circle with pixel DERWENT; IBM_TDB 2004/01/1 31 3 5748300.URPN. DERWENT; IBM_TDB USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 30 1 ((inward) with (outward)) with circle with pixel IBM_TDB 2004/01/1 31 3 5748300.URPN. IBM_TDB USPAT; 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 30 1 ((inward) with (outward)) with circle with pixel USPAT; 2004/01/1 31 3 5748300.URPN. DERWENT; IBM TDB 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 31 3 5748300.URPN. EPO; JPO; DERWENT; IBM TDB 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | 2 12:29 |
| 31 3 5748300.URPN. DERWENT; IBM_TDB 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 31 3 5748300.URPN. IBM_TDB 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| 31 3 5748300.URPN. USPAT 2004/01/1 32 13 ("3988068" "4275964" "4317613" USPAT 2004/01/1 | |
| | |
| | 2 12:28 |
| "4924107" "4959537" "5066120" | |
| "5080839" "5081685" "5094609" | |
| "5301004").PN. | |
| 33 4413 computer near3 vision USPAT; 2004/01/1 | 2 12:30 |
| US-PGPUB; EPO; JPO; | |
| DERWENT; | |
| IBM_TDB | |
| 34 17 (computer near3 vision) with circle USPAT; 2004/01/1 | 2 12:33 |
| US-PGPUB; EPO; JPO; | |
| DERWENT; | |
| IBM TDB | |

| 35 | 55 | (computer near3 vision) same circle | USPAT; | 2004/01/12 12:38 |
|----|----|--|-----------|------------------|
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| 36 | 4 | ("5005147" "5231580" "5528703" "5689585").PN. | USPAT | 2004/01/12 12:37 |
| 37 | 68 | (machine near3 vision)same circle | USPAT; | 2004/01/12 12:38 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |